

10/685,538

Art Unit: 2874

Response to office action mailed 10/27/2005

Amendments to the Specification

Please amend the paragraph commencing at page 10, line 7 as follows:

-- A Si CCD 22 formed in a plane is placed with its detecting surface in close proximity to, and opposite, the sub-LEDs array. In operation, the incoming IR energy 18 passes through the substrate ~~20~~16 and is detected by each sub-photodetector 10a. The resulting signal photocurrents are amplified by the sub-avalanche multipliers 12a and drive the corresponding sub-LEDs 14a to emit IR light at 0.87 μm or visible light. The outgoing energy is detected by the CCD 22 and is processed for display in a well know manner. Due to the close proximity of the CCD to the PD-avalanche multiplier-LED array wafer, the wafer also acts as an optical filter, blocking visible light energy from reaching the CCD. --